APPLICATION TO INSTALL A SUBSURFACE WATER MANAGEMENT SYSTEM

OFFICE OF THE STATE ENGINEER
REGULATORY DIVISION
SFN 61244 (9/2020)

Number	Number
(OSE USE ONLY)	(WRD USE ONLY)

WATER RESOURCE DISTRICT USE ONLY

DATE RECEIVED

This application must be submitted to the water resource district in which the system is located (please visit http://swc.nd.gov/ for contact information). To be complete, this application must include the additional information listed in the instructions on page 3.

Water Resource District In Which System Is Located

Location Of Land To Be Tiled

¼	Section	Township	Range	County
¼	Section	Township	Range	County
¼	Section	Township	Range	County

Outlet Location

¼	Section	Township	Range	County

Purpose

☐ Subsurface Drainage ☐ Subsurface Irrigation ☐ Other (please explain) _____

Design Data

Total Land Area To Be Tiled (acres)

Drainage Coefficient Of The System (inches/day)
☐ ¼ ☐ ⅜ ☐ ½ ☐ Other _____

Does The System's Design Include Surface Intakes
☐ Yes (quantity) _____ ☐ No

Type Of Surface Intakes (if applicable)
☐ Open Inlet (i.e. riser) ☐ Blind Inlet (i.e. gravel)

IMPORTANT NOTE - Applications for systems that incorporate surface intakes and have an overall drainage coefficient of greater than 3/8 inches per day must be forwarded to the N.D. Office of the State Engineer (900 E Boulevard Ave, Dept. 770, Bismarck, ND 58505-0850, by fax to (701) 328-3696, or by email to swcregpermits@nd.gov) for review along with an "Application for Surface Drain." Please contact the Office of the State Engineer at 701-328-2752 for more information.

Tile System Orientation
☐ Pattern Tile (parallel) ☐ Targeted Tile

Average Tile Spacing (feet, if applicable)

Average Tile Burial depth (feet)

Type Of System Outlet
☐ Gravity - No Control Structure ☐ Gravity - With Control Structure ☐ Pump

Outlet Flow Capacity (numerical value)
☐ cfs ☐ gpm

Where Does The Outlet Discharge
☐ Road Ditch ☐ Private Drain ☐ Assessment Drain ☐ Natural Waterway
☐ Pond, Slough, or Lake ☐ Other (please explain) _____

Who Is Installing The System
☐ Self ☐ Tile Contractor (please list) _____

Anticipated Installation Start Date

Anticipated Completion Date

Have You Had A Utility Locate Performed, Including Locating Rural Water Lines
☐ Yes ☐ No

(continued on page 2)

Do You Own The Land Area To Be Tiled ☐ Yes ☐ No			Do You Own The Land Where The Tile Outlet Is Located ☐ Yes ☐ No		
If NO, Have You Secured Landowner Permission ☐ Yes ☐ No			If NO, Have You Secured Landowner Permission ☐ Yes ☐ No		
If YES, Please Provide Landowner Information Below			If YES, Please Provide Landowner Information Below		
Landowner Name			Landowner Name		
Landowner Address			Landowner Address		
City	State	ZIP Code	City	State	ZIP Code
Telephone Number			Telephone Number		

Applicant's Certification			
I, the undersigned, am applying for a permit to install a subsurface water management system on an area comprising 80 acres or more as required under North Dakota Century Code § 61-32-03.1. I understand that I must undertake and agree to provide additional information such that the water resource district considers the application complete. If the water resource district finds, based on technical evidence, that my subsurface water management system will cause unreasonable harm to a roadway or real property located within one mile downstream, I may be required to obtain a notarized letter of approval from landowners entitled to notice before a permit may be issued. Additionally, I will abide by any reasonable conditions or control requirements placed on this permit by the water resource district. My signature below acknowledges that I have read and agree to these statements.			
Applicant Name			
Address	City	State	ZIP Code
Telephone Number	Cell Phone Number	Email Address	
Signature			Date

Additional Sheets May Be Attached If Necessary.

See Instructions For Filing A Subsurface Water Management Permit Application On Page 3.

INSTRUCTIONS FOR FILING A SUBSURFACE WATER MANAGEMENT PERMIT APPLICATION UNDER NORTH DAKOTA CENTURY CODE § 61-32-03.1

A person seeking to construct a subsurface water management system comprising 80 acres of land area or more (see Application Guidance below) must submit a completed permit application to the water resource district board within which the system is located. To be complete, as required under North Dakota Century Code § 61-32-03.1, the application must include all information listed below:

1. A completed "Application to Install a Subsurface Water Management System" form.
2. A detailed drawing depicting the subsurface water management system's location overlain on an aerial photo.
    a. The drawing must include the system's:
        i. Location description in Section-Township-Range format.
        ii. Physical footprint of the system's layout including:
            1. Tile-main sizes and locations,
            2. Laterals to the tile-main sizes and locations,
            3. Surface inlet sizes and locations, if applicable,
            4. Outlet size, location, and type, and
            5. Identification of existing road culverts utilized and descriptions of any proposed culvert additions or modifications.
        iii. A depiction of the flow direction from the outlet location to at least one-mile downstream.
3. Manufacturer's information for the outlet control structure, if applicable.
4. Copies of recorded deeds for all parcels to be tiled.
5. Copies of recorded deeds for all parcels within one mile downstream of each project outlet, unless the distance to the nearest assesment drain, natural watercourse, slough, or lake is less than one mile.
6. Signed permission from owner(s) of land to be tiled (if you do not own the land to be tiled).
7. Any additional information requested by the water resource district from the applicant to make an informed decision on the application.

Application Guidance – Is a Permit Required?

A subsurface water management system comprising 80 acres of land area or more requires a permit from the water resource district within which is found a majority of the land area. For the purposes of this application, "comprising 80 acres of land area or more" means a single system, which has one defined outlet, consisting of 80 acres or more of land area directly drained by the system.

Specifically, determining the land area directly drained by a system is based on the system's zone of influence. The zone of influence is the acreage from which a system will remove subsurface water and is calculated by adding one-half the tile spacing to each exterior dimension of the system. For example, if the tile spacing of a conventional, pattern tile system is 40 feet between parallel tile lines, half of that distance (i.e., 20 feet) may be added to each of the system's exterior dimensions to determine the total land area directly drained by the system. If a system's design lacks a specified tile spacing, other references[1] may be used to determine the land area directly drained by perforated tile. Please note that the zone of influence is not applicable for non-perforated pipe applications.

[1]Wright, Jerry and Sands, Gary. Planning an agricultural subsurface drainage system. University of Minnesota Extension Service, 2009, http://www.extension.umn.edu/agriculture/water/planning/planning-a-subsurface-drainage-system/.